Claims

1   1.   An apparatus comprising:

2   at least one processor;

3   a memory coupled to the at least one processor;

4   a computer program residing in the memory, said computer program including a

5   object reference server mechanism, said object reference server mechanism delivering an

6   object reference for a naming object to a remote second apparatus upon request of said

7   second apparatus.

1   2.   The apparatus of claim 1 wherein said object reference server mechanism

2   comprises a web server.

1   3.   The apparatus of claim 1 wherein said second apparatus comprises a web browser.

1   4.   The apparatus of claim 2 wherein said object reference is stored in a web server

2   directory.

1   5.   The apparatus of claim 1 wherein said object reference comprises a stringified

2   object reference.

1   6.   The apparatus of claim 1 wherein said object reference comprises a stringified

2   object reference and wherein said naming object comprises a root naming context object.

IBM Docket RO996-140

29

1 7. A method for bootstrapping an object client to a remote object server wherein the
2 object server includes a plurality of objects including at least one naming context object,
3 the method comprising the steps of:
4   a) creating an object reference for said at least one naming context object;
5   b) storing said object reference in a object reference server directory;
6   c) downloading said object reference from said object reference server directory to
7 an object client when said object client attempts to access objects on said remote object
8 server.

1 8. The method of claim 7 wherein the step of creating an object reference comprises
2 creating a stringified object reference.

1 9. The method of claim 7 wherein said naming context object comprises a root
2 naming context object.

1 10. The method of claim 7 wherein said object server directory comprises a web
2 server directory.

1 11. The method of claim 7 wherein said object client comprises a web browser and
2 wherein the step of downloading said object reference from said object reference server
3 directory comprises downloading by a web server application.

1   12.   The method of claim 11 wherein the step of downloading said object reference

2   from said object reference server directory comprises downloading a uniform resource

3   locator for said object reference to said web browser and said web browser requesting

4   said object reference using said uniform resource locator from said web server

5   application.

1   13.   The method of claim 12 wherein the step of downloading a uniform resource

2   locator for said object reference comprises downloading the uniform resource locator as

3   part of a Java applet.

1   14.   The method of claim 12 wherein the step of downloading a uniform resource

2   locator for said object reference comprises downloading the uniform resource locator part

3   of a Java Object Request Broker.

1   15.   The method of claim 7 wherein said object client comprises a Java-enabled web

2   browser.

1   16.   The method of claim 7 wherein said object client comprises a Java-enabled web

2   browser containing a CORBA compliant Java Object Request Broker.

1   17.   The method of claim 7 wherein the object server is a part of a server system, and

2   wherein said server system further includes a location service application, and wherein

3   said object reference server comprises a web server application in said server system.

1   18.   The method of claim 17 wherein the object server includes a name object server.

1   19.   The method of claim 7 wherein the object reference server comprises a web server

2   and the object client comprises a web browser and further comprising the steps of:

3   downloading an applet from said web server to said web browser and running said

4   applet on said web browser;

5   downloading an object request broker from said web server;

6   requesting said object reference from said web server; and

7   retrieving a proxy for said naming context object using said retrieved object

8   reference.

1   20.   The method of claim 19 wherein the step of downloading said object request

2   broker comprises downloading the class of said object request broker from the web

3   server.

21. A program product comprising:

    (A) a computer program including a object reference server mechanism, said object reference server mechanism delivering an object reference for a naming object to a remote apparatus upon request of said apparatus; and

    (B) signal bearing media bearing said object reference server mechanism.

22. The program product of claim 21 wherein the signal bearing media comprises recordable media.

23. The program product of claim 21 wherein the signal bearing media comprises transmission media.

24. The program product of claim 21 wherein said apparatus comprises a remote web browser.

25. The program product of claim 21 wherein said object reference server mechanism comprises a web server having access to said object reference.

26. The program product of claim 21 wherein said object reference comprises a stringified object reference.

27. The program product of claim 21 wherein said object reference comprises a stringified object reference of a root naming context object.

1   28.   A program product comprising:

(A) a applet, said applet including an object reference uniform resource locator for

2

3   retrieving an object reference for a naming object from a server apparatus; and

4   (B) signal bearing media bearing said applet.

1   29. The program product of claim 28 wherein the signal bearing media comprises

2   recordable media.

1   30. The program product of claim 28 wherein the signal bearing media comprises

2   transmission media.

1   31. The program product of claim 28 wherein the signal bearing media comprises the

2   Internet.

1   32. The program product of claim 28 wherein said server apparatus comprises a web

2   server having access to said object reference.

1   38.   An apparatus comprising:

2   at least one processor;

3   a memory coupled to the at least one processor;

4   a server system, said server system comprising:

5   a) at least one object server, said at least one object server including a

6   naming context object;

7   b) a web server, said web server having access to a stringified object

8   reference for said naming context object, wherein said web server

9   downloads said stringified object reference to a web browser when said

10   stringified object reference is requested by said web browser.

1   34.   A method for bootstrapping an object client to a remote object server wherein the
object server includes a plurality of objects including at least one naming context object,
3   the method comprising the steps of:

4   a) creating an object reference for said at least one naming context object;

5   b) storing said object reference in a web server directory;

6   c)downloading an applet from a web server to a web browser and running said
7   applet on said web browser;

8   d) downloading an object request broker from said web server;

9   e) requesting said object reference from said web server; and

10   f) retrieving a proxy for said naming context object using said retrieved object
11 reference.

1   35.   The method of claim 34 wherein the object request broker comprises a Java object
2   request broker.

1   36.   The method of claim 34 wherein the object reference comprises a stringified
2   object reference.

1 37. The method of claim 34 wherein the step of downloading an applet comprises
2 downloading a uniform resource locator to said object reference and wherein the step of
3 requesting said object reference from said web server comprises passing said uniform
4 resource locator to said web server.

1 38. The method of claim 34 wherein the step of downloading an object request broker
2 from said web server comprises downloading an uniform resource locator to said object
3 reference and wherein the step of requesting said object reference from said web server
4 comprises passing said uniform resource locator to said web server.

1 39. The method of claim 34 wherein the step of downloading an object request broker
2 comprises downloading a java object request broker.

* * * *